



Bruhat Bangalore Mahanagara Palike
Executive Engineer
Yelhanka Division

DETAILED ESTIMATE

Name of Work: Construction of drains at Bhadranna Layout and Kondappa Garden in Ward No.1 of Yelhanka Sub division.

PROJECT COST: 75.00 Lakhs



Mecadez Core Technologies Private limited

Project Management and Consultancy Services

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BRUHAT BANAGLORE MAHANAGARA PALIKE

Executive Engineer-Yelhanka Division

Detailed Estimate

Name of Work: Construction of drains at Bhadranna Layout and Kondappa Garden in Ward No.1 of Yelhanka Sub division

Estimate Amount : 7500000.00

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
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CIVIL WORKS

1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No141., I.No.19.1 of KPWD S.R 2015-16).								
	New Drain	Cum							
	Bhadranna layout								
	Ch: (0 - 197)	B/s	2	197	1.30	0.900	460.98		
	papanna layout from kogilu road to SWD								
	Ch: (0 - 149)	B/s	2	149	1.30	0.900	348.66		
	maruthinagar hospital road from kogilu main road								
	Ch: (0 - 90)	B/s	2	90	0.80	0.800	115.20		
	Ch: (90 - 229)	B/s	2	139	1.20	0.900	300.24		
	New Culvert								
	papanna layout from kogilu road to SWD								
			2	5	1.90	0.900	17.10		
			1	4.5	1.90	0.900	7.70		
							1249.88	168.76	210928.91
2	KSRRB 4-1.2 : Providing and laying in position plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No 12., I.No.4.2 of KPWD S.R 2015-16).								
	New Drain	Cum							
	Bhadranna layout								
	Ch: (0 - 197)	B/s	2	197	0.90	0.100	35.46		
	papanna layout from kogilu road to SWD								
	Ch: (0 - 149)	B/s	2	149	0.90	0.100	26.82		
	maruthinagar hospital road from kogilu main road								
	Ch: (0 - 90)	B/s	2	90	0.60	0.100	10.80		
	Ch: (90 - 229)	B/s	2	139	0.90	0.100	25.02		
	New Culvert								
	papanna layout from kogilu road to SWD								
			2	5	1.50	0.150	2.25		
			1	4.5	1.50	0.150	1.01		
							101.36	5236.92	530827.30

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
3	Providing and laying Plain / reinforced cement concrete M20 for Box drain walls of thickness 10cm to 20cm including centring shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200 (Page No 258., I.No.37.59.2 of KPWD S.R 2015-16).								
		Cum							
	Raft								
	New Drain								
	Bhadranna layout								
	Ch: (0 - 197)	B/s	2	197	0.90	0.150	53.19		
	papanna layout from kogilu road to SWD								
	Ch: (0 - 149)	B/s	2	149	0.90	0.150	40.23		
	maruthinagar hospital road from kogilu main road								
	Ch: (0 - 90)	B/s	2	90	0.60	0.100	10.80		
	Ch: (90 - 229)	B/s	2	139	0.90	0.100	25.02		
	New Culvert								
	papanna layout from kogilu road to SWD								
			2	5	1.50	0.200	3.00		
			1	4.5	1.50	0.200	1.35		
	Wall								
	New Drain								
	Bhadranna layout								
	Ch: (0 - 197)	B/s	4	197	0.15	0.900	106.38		
	papanna layout from kogilu road to SWD								
	Ch: (0 - 149)	B/s	4	149	0.15	0.900	80.46		
	maruthinagar hospital road from kogilu main road								
	Ch: (0 - 90)	B/s	4	90	0.10	0.800	28.80		
	Ch: (90 - 229)	B/s	4	139	0.15	0.900	75.06		
	New Culvert								
	papanna layout from kogilu road to SWD								
			4	5	0.20	0.800	3.20		
			2	4.5	0.20	0.800	1.44		
							428.93	6931.44	2973102.56
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 for TMT Bars Fe500 (Page No 17., I.No.4.46.2 of KPWD S.R 2015-16).								
		Tonne							
	Taking 60kg/m3								
							428.93*60/1000	25.74	
							25.74	69805.80	1796508.11
5	Providing precast slab of 100 mm thick including cost of all materials, labour, curing, transportation, loading, unloading, etc., complete as per the direction of engineer in charge-Data rate								
		Sqm							
	Covering Slab								
	New Drain								
	Bhadranna layout								
	Ch: (0 - 197)	B/s	2	197	0.90		354.60		

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	papanna layout from kogilu road to SWD								
	Ch: (0 - 149)	B/s	2	149	0.90		268.20		
	maruthinagar hospital road from kogilu main road								
	Ch: (0 - 90)	B/s	2	90	0.60		108.00		
	Ch: (90 - 229)	B/s	2	139	0.90		250.20		
							981.00	1834.00	1799154.00
6	Providing precast slab of 250mm thick including cost of all materials, labour, curing, transportation, loading, unloading, etc., complete as per the direction of engineer in charge-Data rate								
		Sqm							
	Covering Slab								
	New Culvert								
	papanna layout from kogilu road to SWD								
			2	5	1.50		15.00		
			1	4.5	1.50		6.75		
							21.75	5111.00	111164.25
	Sub Total								7421685.13
7	Cost towards Design Report and Detailed Estimate, PMC/Third party								74216.85
8	Miscellaneous and other charges								4098.02
	Grand Total								7500000.00

Certificate:-

1. That the workspot inspected by me and found work is necessary.
2. That the area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. That the rates are adopted based on the PWD SR of 2015-16
4. That the provisions made in the estimate are necessary and quite essential.

Consultant:

For M/s MECADEZ CORE TECHNOLOGIES PVT LTD

Asst. Engineer
Ward No-1
BBMP

AEE
Yelhanka Sub Division
BBMP

Executive Engineer
Yelhanka Division
BBMP